

**IN THE CLAIMS**

1. (original) Isolated DNA encoding the *SbfI* restriction endonuclease, wherein the isolated DNA is obtainable from *Streptomyces species Bf-61*.
2. (original) A recombinant DNA vector comprising a vector into which a DNA segment encoding the *SbfI* restriction endonuclease has been inserted.
3. (original) Isolated DNA encoding the *SbfI* restriction endonuclease and *SbfI* methylase, wherein the isolated DNA is obtainable from ATCC No. PTA-5371.
4. (original) A vector which comprises the isolated DNA of claim 3.
5. (original) A host cell transformed by the vector of claim 2 or 4.
6. (original) A method of producing recombinant *SbfI* restriction endonuclease comprising culturing a host cell transformed with the vector of claims 2 or 4 under conditions suitable for expression of said endonuclease.